

SURGE PROTECTION AND RESET CIRCUIT

ABSTRACT OF THE DISCLOSURE

5 A surge protection and reset circuit is provided for resetting a
microprocessor to maintain a discharge lamp under a normal operating
condition when the microprocessor is crashed owing to the cross talk or
radiation effect in igniting a discharge lamp. The surge protection and
reset circuit includes a ballast electrically connected to the discharge
lamp for igniting the discharge lamp, a starting control circuit
10 electrically connected to the ballast for triggering the ballast to ignite the
discharge lamp and powering the ballast, a microprocessor electrically
connected to the starting control circuit for initializing the starting
control circuit when the microprocessor receives a lamp-state signal and
a reset signal, and a reset circuit having an output terminal electrically
15 connected to the microprocessor for providing the reset signal to reset
the microprocessor when the reset circuit receives the lamp-state signal
from a lamp-state terminal of the ballast.

09355168-051401
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